SCHOLARSHIPS and CAREERS

The Department of Physics offers seven partial scholarships for physics majors. Our graduates have had great success in achieving advanced degrees and in securing industrial positions. Physics majors have the versatility, knowledge, and analytical skills needed to adapt quickly to the opportunities that arise in the dynamic world of modern science and high technology.

FOR MORE INFORMATION about our Graduate and Undergraduate programs, please contact:

Department of Physics
California State University, Fresno
2345 E. San Ramon Avenue, M/S MH37
Fresno, CA 93740-8031, U.S.A.

Phone: 559-278-2371
Fax: 559-278-7741
E-mail: nawright@csufresno.edu
Web: http://www.csufresno.edu/physics/

THE FUNDAMENTAL SCIENCE

Physics is the fundamental science. It combines observation and experiment with creative synthesis to express the laws of nature, often elegant in their simplicity and universality. Einstein said: “They [the laws of nature] should form the basis from which a picture of all processes of nature can be derived by thoughtful deduction—and these include also the processes of life.”

Physics includes the study of the fundamental particles, of nuclear, electromagnetic, and gravitational fields and forces, of energy, of light and optics, of heat, of electronics and the structure of materials, and of the Earth and the stars.
The Downing Planetarium, featuring a 74-seat star theater, opened in 2000. It has been highly successful, with over 30,000 visitors per year. Physics students have opportunities to participate in planetarium operations. Next to it is the Campus Observatory, with a well-instrumented 16-inch telescope for classes and student research. A second 16-inch telescope, for research, is at an excellent dark-sky site in the Sierra Nevada Mountains. Although it is 47 miles from campus, we operate it by remote control from campus, over the Internet.

The Downing Planetarium, featuring a 74-seat star theater, opened in 2000. It has been highly successful, with over 30,000 visitors per year. Physics students have opportunities to participate in planetarium operations. Next to it is the Campus Observatory, with a well-instrumented 16-inch telescope for classes and student research. A second 16-inch telescope, for research, is at an excellent dark-sky site in the Sierra Nevada Mountains. Although it is 47 miles from campus, we operate it by remote control from campus, over the Internet.

The Downing Planetarium, featuring a 74-seat star theater, opened in 2000. It has been highly successful, with over 30,000 visitors per year. Physics students have opportunities to participate in planetarium operations. Next to it is the Campus Observatory, with a well-instrumented 16-inch telescope for classes and student research. A second 16-inch telescope, for research, is at an excellent dark-sky site in the Sierra Nevada Mountains. Although it is 47 miles from campus, we operate it by remote control from campus, over the Internet.

RESEARCH
Our faculty came here both to teach and to do research. Faculty research specialties, which provide opportunities for students, are in several areas. We offer both theoretical and experimental research. Current areas of interest include biomedical physics and neuroimaging, classical and quantum field theory, experimental and theoretical condensed matter physics, experimental high-energy physics, theory of gravitation, ground-based and space-based observational astronomy, experimental physics of strongly correlated electron phenomena such as superconductivity and magnetism, experimental nanophysics and nanotechnology, magnetic resonance spectroscopy, nuclear medicine, theoretical particle physics, and physics pedagogy.

http://www.downing-planetarium.org
School and other group reservations: (559) 278-4071

Fresno State physics is a friendly environment in which students have ready access to faculty.

California State University, Fresno faculty and students do research with world-class facilities, including Hubble Space Telescope (left) and the Large Hadron Collider near Geneva, Switzerland (right).